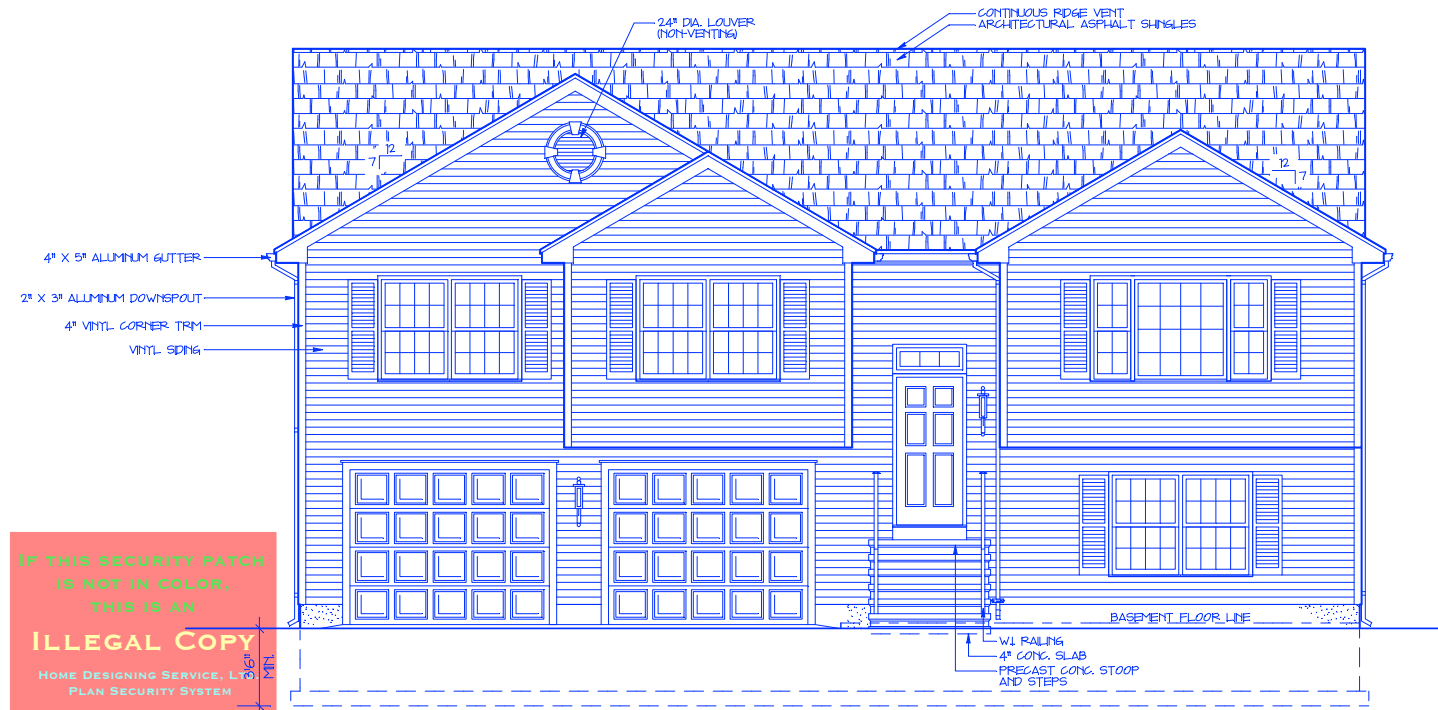


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CODE:
 2018 CONNECTICUT STATE BUILDING CODE INCLUDING 2018 INTERNATIONAL RESIDENTIAL CODE

WALL BRACING METHOD:
 R602.10.4 CONTINUOUS SHEATHING - CS-WSP (CONTINUOUS SHEATHING - WOOD STRUCTURAL PANEL)

ENERGY EFFICIENCY
 N102.4.1 BUILDING THERMAL ENVELOPE THE BUILDING THERMAL ENVELOPE SHALL BE DURABLY SEALED TO LIMIT INFILTRATION.
IMPORTANT: REFER TO ENERGY CODE FOR 16 AREAS WHICH MUST BE SEALED. VERIFICATION BY TESTING SHALL BE CONDUCTED WITH A BLOWER DOOR AT A PRESSURE OF 0.2 INCHES W.G. (50 PASCALS). AIR LEAKAGE NOT TO EXCEED 3 AIR CHANGES PER HOUR.

WIND SPEED:
 ULTIMATE DESIGN WIND SPEED: 135 MPH

FRONT ELEVATION
 SCALE: 1/4" = 1'-0"

FASTENER SCHEDULE - 2015 IRC TABLE R602.3(1)

SHEATHING	EDGE (INCHES)	INTERMEDIATE SUPPORTS (INCHES)
TABLE R602.3 (1) 04 COMMON (2 1/2" X 0.131") NAIL (SUBFLOOR) 04 COMMON (2 1/2" X 0.131") NAIL (ROOF)	6	12
TABLE R602.3 (3) 04 COMMON (2 1/2" X 0.131") NAIL (WALL) (STUD SPACING 16" OR 24")	6	12
TABLE R602.10.4 METHOD 6B - GYPSUM BOARD NAILS OR SCREWS @ 7" O/C ALL PANEL EDGES	7	7

FRAMING
 COLLAR TIE TO RAFTER, FACE NAIL OR 1 1/4" X 20 GAUGE RIDGE STRAP
 3 - 10d COMMON NAILS (3" X 0.148") EACH END OR
 4 - (3" X 0.131") EACH END
 RAFTER OR TRUSS TO PLATE, TOE NAIL
 3 - 16d BOX NAILS (3 1/2" X 0.135") OR
 3 - 10d COMMON (3" X 0.148")
 RAFTER TO CEILING JOIST, FACE NAIL
 6 - 16d COMMON NAILS (3 1/2" X 0.162") OR
 8 (3 1/2" X 0.131")

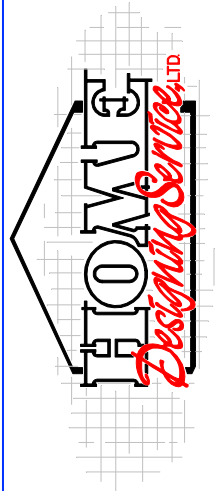
ALL OTHER CONNECTIONS REFER TO 2015 IRC, TABLE R602.3(1) OR TO MANUFACTURER'S LITERATURE FOR REQUIRED FASTENERS

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DATE	FOR	DESCRIPTION
8-22-18		CHANGES FOR BLD OFFICIAL
4-10-19		CODE UPDATE
4-10-19	2131 S.F.	CHANGES TO 10123-RR
10-23-20	2131 S.F.	FLIP OF 10226-RR



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SCALE: 1/4" = 1'-0"

DATE: 10-27-2020

AREA: 2131 S.F.

DATE PRINTED:

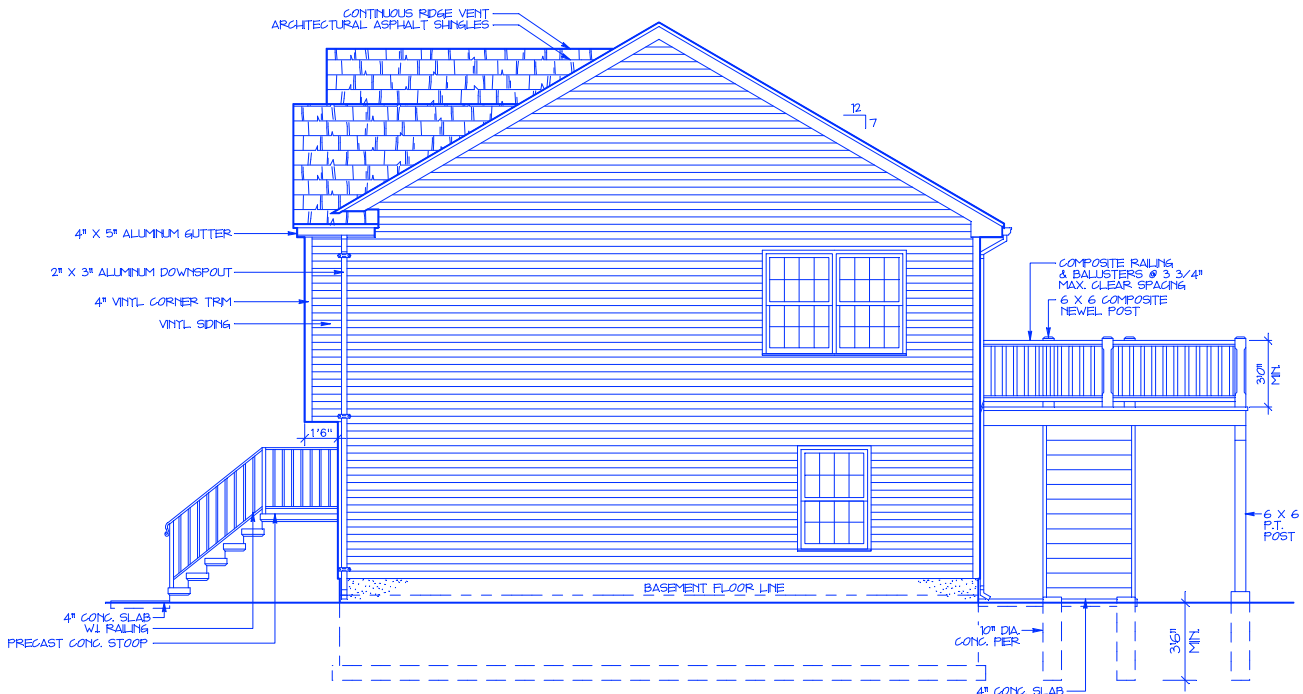
DRAWN BY: H.M.D.

REVISED:

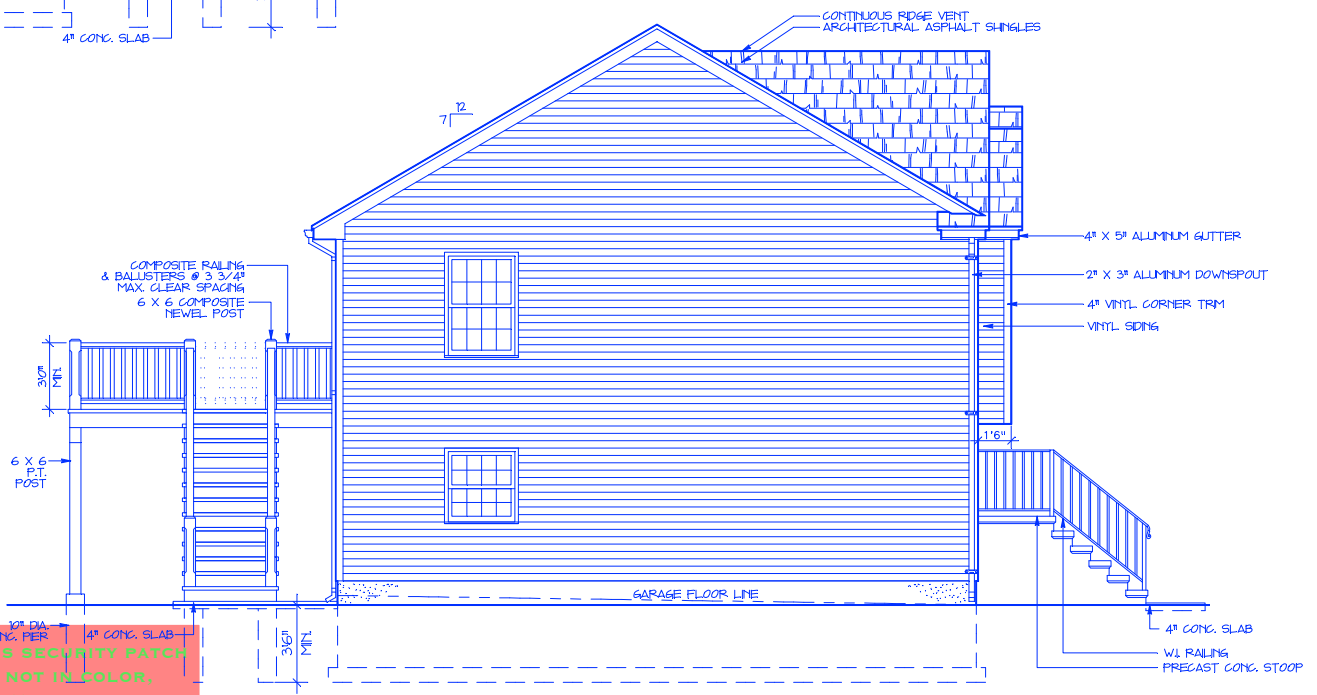
PLAN NUMBER: 10228-RR

DRAWING NUMBER: 1 of 9

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RIGHT ELEVATION
 SCALE: 1/4" = 1'-0"



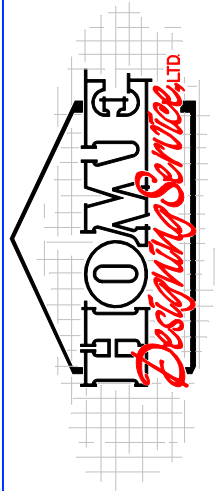
LEFT ELEVATION
 SCALE: 1/4" = 1'-0"

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4-10-19	CODE UPDATE
4-10-19	2131 S.F.
10-23-20	2131 S.F.

REVISIONS FOR

CHANGES TO 10123-RR
 FLIP OF 10226-RR

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SCALE: 1/4" = 1'-0"

DATE: 10-27-2020

AREA: 2131 S.F.

DATE PRINTED:

DRAWN BY: H.M.D.

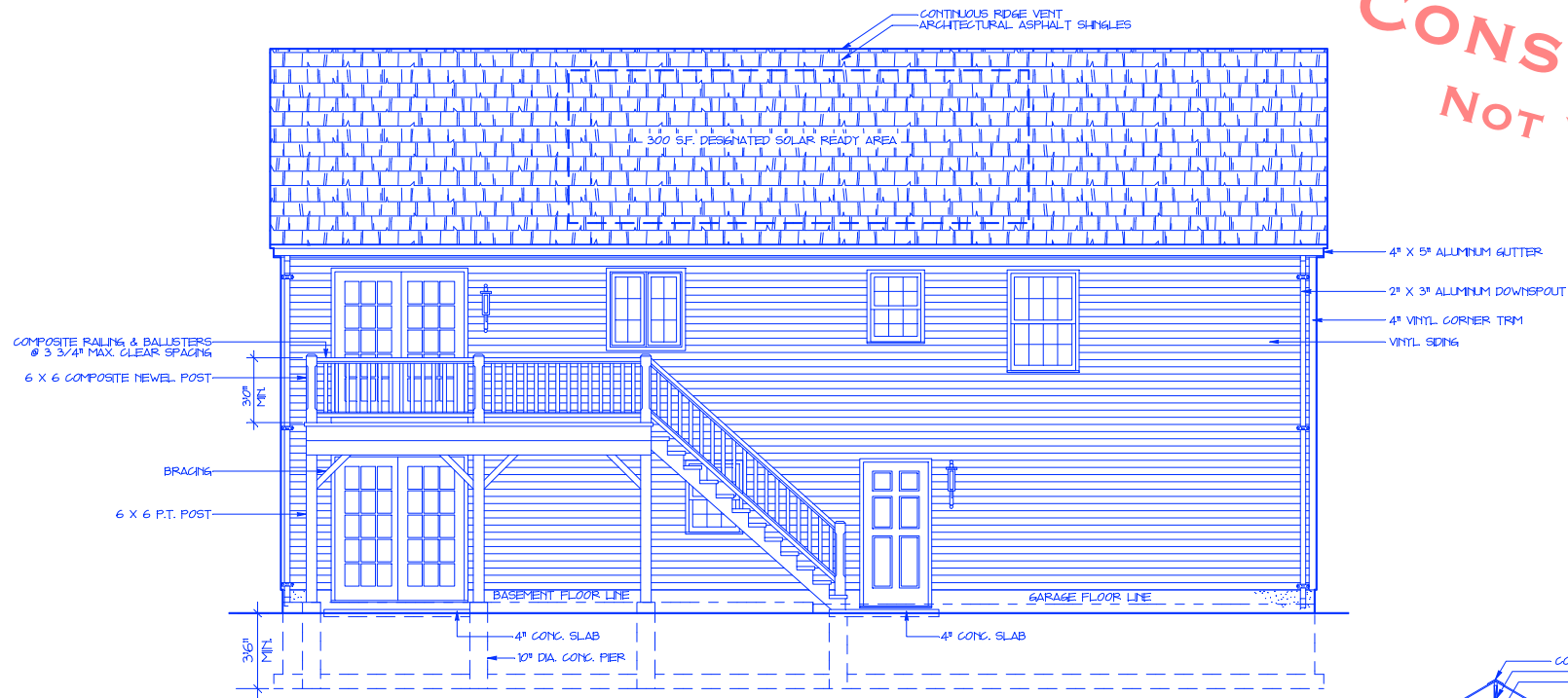
REVISED:

PLAN NUMBER: 10228-RR

DRAWING NUMBER: 2 of 9

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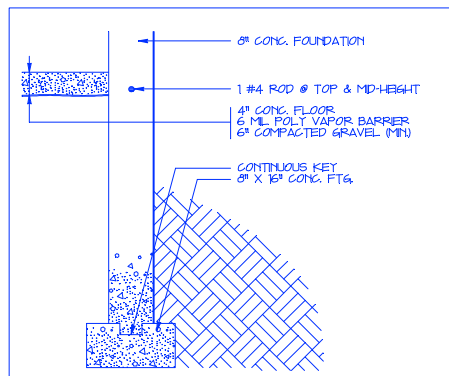
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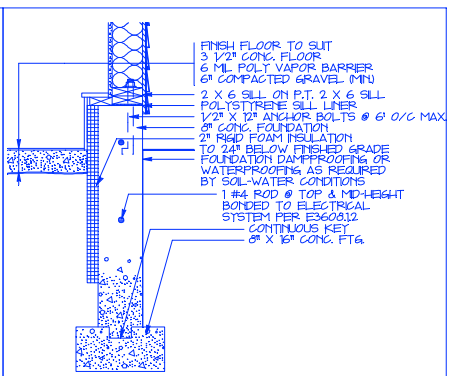
REAR ELEVATION

SCALE: 1/4" = 1'-0"

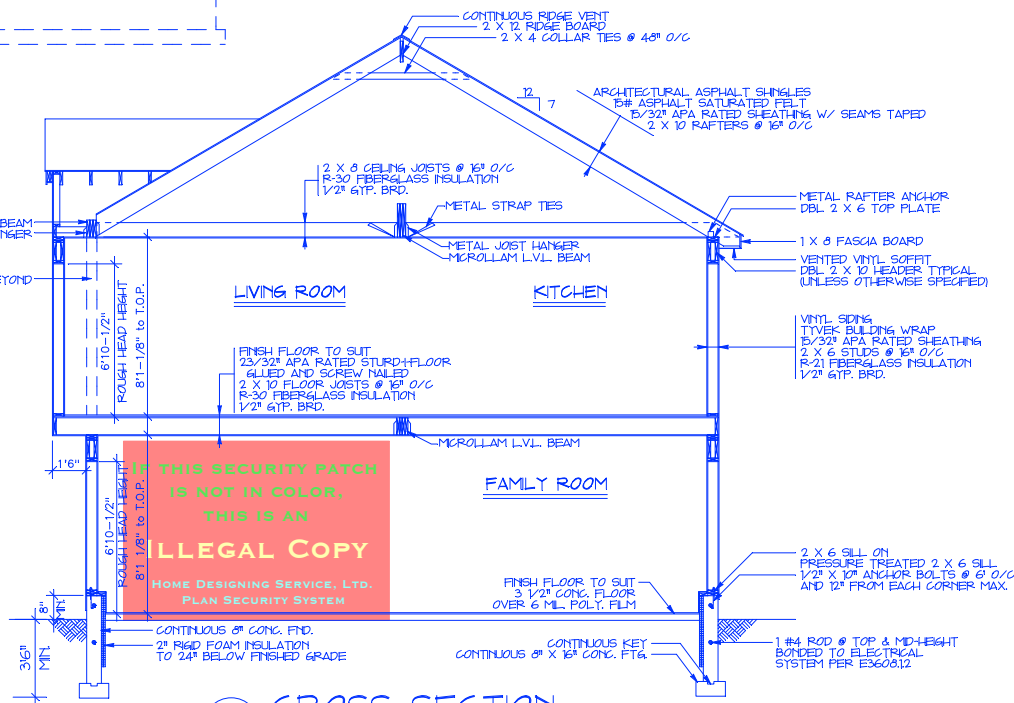
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FOOTING DETAIL
 SCALE: 3/4" = 1'-0" @ GARAGE



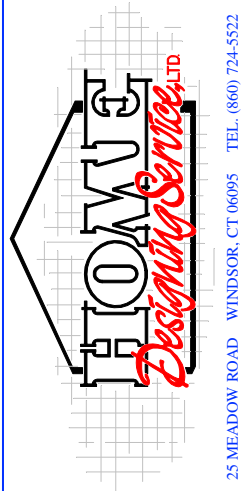
FOOTING DETAIL
 SCALE: 3/4" = 1'-0" @ FAMILY ROOM



CROSS SECTION

SCALE: 1/4" = 1'-0"

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4-10-19	CODE UPDATE	
4-10-19	2131 S.F.	
10-23-20	2131 S.F.	

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SCALE: 1/4" = 1'-0"
DATE: 10-27-2020
AREA: 2131 S.F.
DATE PRINTED:
DRAWN BY: H.M.D.
REVISED:
PLAN NUMBER: 10228-RR
DRAWING NUMBER: 3 of 9

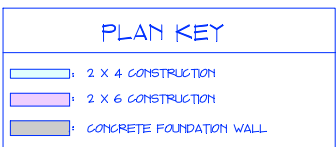
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Norwich, CT 06360

IRC 2015 - R312.2.1 WINDOW SILLS
IN DWELLING UNITS WHERE THE TOP OF THE SILL OF AN OPERABLE WINDOW OPENING IS LOCATED LESS THAN 24 INCHES ABOVE THE FINISHED FLOOR AND GREATER THAN 72 INCHES ABOVE THE FINISHED GRADE OR OTHER SURFACE BELOW, ON THE EXTERIOR OF THE BUILDING, THE OPERABLE WINDOW SHALL COMPLY WITH ONE OF THE FOLLOWING:

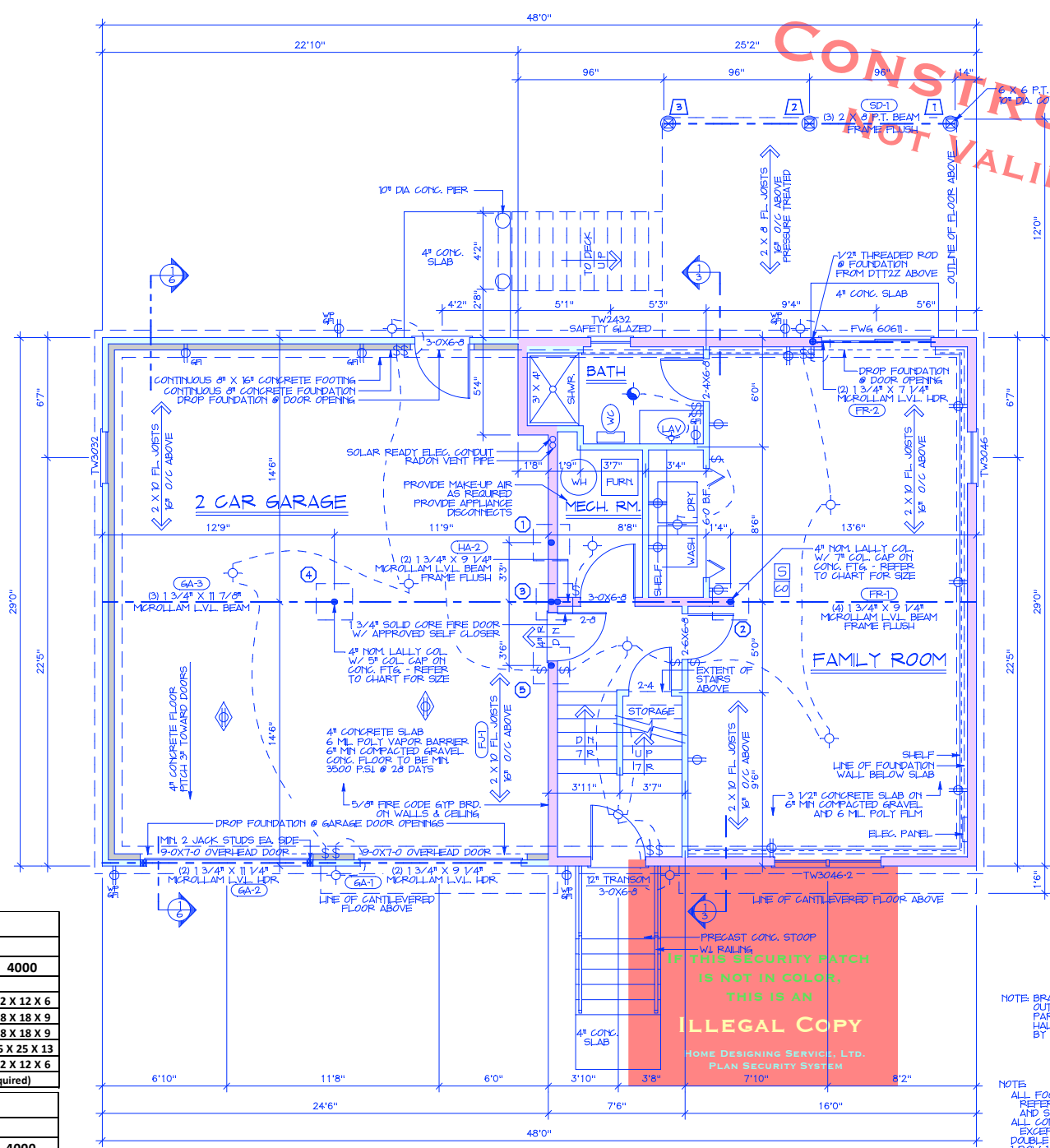
- OPERABLE WINDOWS WITH OPENINGS THAT WILL NOT ALLOW A 4-INCH DIAMETER SPHERE TO PASS THROUGH THE OPENING WHERE THE OPENING IS IN ITS LARGEST OPENED POSITION.
- OPERABLE WINDOWS THAT ARE PROVIDED WITH WINDOW FALL PREVENTION DEVICES THAT COMPLY WITH ASTM F2090.
- OPERABLE WINDOWS THAT ARE PROVIDED WITH WINDOW OPENING CONTROL DEVICES THAT COMPLY WITH SECTION R312.2.2.

AF1012 RADON MITIGATION PREPARATION CONSTRUCTION TECHNIQUE
ALL NEWLY CONSTRUCTED DETACHED ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES SHALL BE PROVIDED WITH RADON MITIGATION PREPARATION CONSTRUCTION IN ACCORDANCE WITH SECTION AF104 OF THIS CODE.



NOTE
BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE-PHASE 15- AND 20-AMPERE OUTLETS INSTALLED IN KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, BEDROOMS, BATHROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION PER SECTION E3902.16.

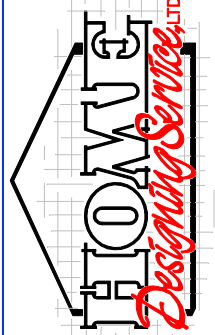
NOTE
ALL FOOTINGS TO REST ON UNDISTURBED SOIL. REFER TO CHART FOR FOOTING SIZE AND SOIL BEARING CAPACITY. ALL CONCRETE TO BE MIN 3000 PSI @ 28 DAYS EXCEPT AS NOTED. DOUBLE JOISTS UNDER ALL PARTITIONS 1" ROW 1 X 3 BRACING PER SPAN. ALL FRAMING LUMBER TO BE #2 D.F. OR BETTER. BASE-VALUE FB 675.



FOUNDATION PLAN
(AND LOWER LEVEL) SCALE: 1/4" = 1'-0"

BEAM DESIGNATION KEY
(FR-1) SEE PRINTOUT FOR DETAILS

Lally Column Footing Size Chart					
Column Number	Total Load (lbs)	Soil Bearing Capacity			
		1500	2000	3000	4000
Minimum Footing size in inches					
1	2940	17 X 17 X 9	15 X 15 X 8	12 X 12 X 6	12 X 12 X 6
2	8141	28 X 28 X 14	25 X 25 X 13	20 X 20 X 10	18 X 18 X 9
3	8473	29 X 29 X 15	25 X 25 X 13	21 X 21 X 11	18 X 18 X 9
4	16397	40 X 40 X 20	35 X 35 X 18	29 X 29 X 15	25 X 25 X 13
5	2923	17 X 17 X 9	15 X 15 X 8	12 X 12 X 6	12 X 12 X 6
Footing thickness may be reduced by adding reinforcing bars (design required)					
Deck and Porch Pier Footing Size Chart					
Pier Number	Total Load (lbs)	Soil Bearing Capacity			
		1500	2000	3000	4000
Minimum Pier / Footing Diameter in inches (Min. 10")					
1	1269	13	11	10	10
2	2538	18	16	13	11
3	1269	13	11	10	10



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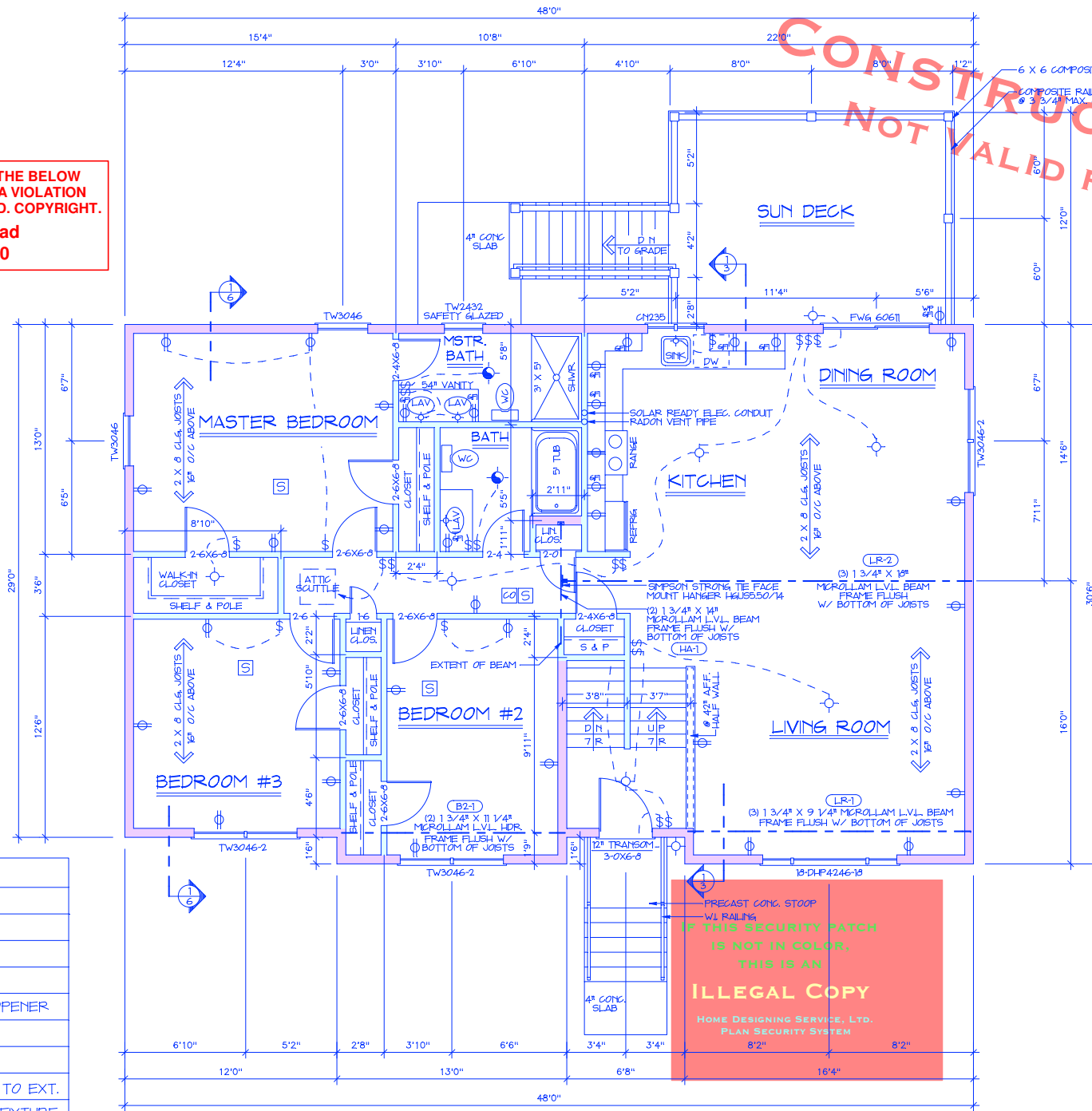
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SCALE: 1/4" = 1'-0"
DATE: 10-27-2020
AREA: 2131 S.F.
DATE PRINTED:
DRAWN BY: H.M.D.
REVISED:
PLAN NUMBER: 10228-RR
DRAWING NUMBER: 4 of 9

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ELECTRICAL KEY	
⌘	SWITCH
⊕	DUPLEX OUTLET
⊕	220 V. OUTLET
⊕	FLOOR OUTLET
⊕	OUT. FOR GAR. DR. OPENER
⊕	LIGHT
⊕	SMOKE DETECTOR
⊕	FAN LIGHT TO VENT TO EXT.
⊕	RECESSED LIGHTING FIXTURE
⊕	CARBON MONOXIDE DETECTOR

NOTE BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE-PHASE 15- AND 20-AMPERE OUTLETS INSTALLED IN KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENs, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION PER SECTION E3902.16.

UPPER LEVEL PLAN
 SCALE: 1/4" = 1'-0"

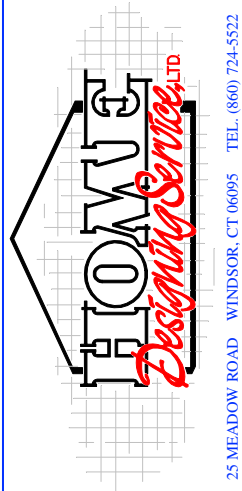
BEAM DESIGNATION KEY	
(FR-1)	SEE PRINTOUT FOR DETAILS

IRC 2015 - R312.2.1 WINDOW SILLS
 IN DWELLING UNITS, WHERE THE TOP OF THE SILL OF AN OPERABLE WINDOW OPENING IS LOCATED LESS THAN 24 INCHES ABOVE THE FINISHED FLOOR AND GREATER THAN 70 INCHES ABOVE THE FINISHED GRADE OR OTHER SURFACE BELOW, ON THE EXTERIOR OF THE BUILDING, THE OPERABLE WINDOW SHALL COMPLY WITH ONE OF THE FOLLOWING:

1. OPERABLE WINDOWS WITH OPENINGS THAT WILL NOT ALLOW A 4-INCH DIAMETER SPHERE TO PASS THROUGH THE OPENING WHERE THE OPENING IS IN ITS LARGEST OPENED POSITION.
2. OPERABLE WINDOWS THAT ARE PROVIDED WITH WINDOW FALL PREVENTION DEVICES THAT COMPLY WITH ASTM F2090.
3. OPERABLE WINDOWS THAT ARE PROVIDED WITH WINDOW OPENING CONTROL DEVICES THAT COMPLY WITH SECTION R312.2.2.

AF101.2 RADON MITIGATION PREPARATION CONSTRUCTION TECHNIQUE
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PLAN KEY	
	2 X 4 CONSTRUCTION
	2 X 6 CONSTRUCTION
	CONCRETE FOUNDATION WALL



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4-10-19	CODE UPDATE	
4-10-19	2131 S.F.	
10-23-20	2131 S.F.	

NAME: _____
 COMPANY: _____
 PROJECT ADDRESS: _____

SCALE: 1/4" = 1'-0"
 DATE: 10-27-2020
 AREA: 2131 S.F.
 DATE PRINTED: _____
 DRAWN BY: H.M.D.
 REVISED: _____
 PLAN NUMBER: 10228-RR
 DRAWING NUMBER: 5 of 9

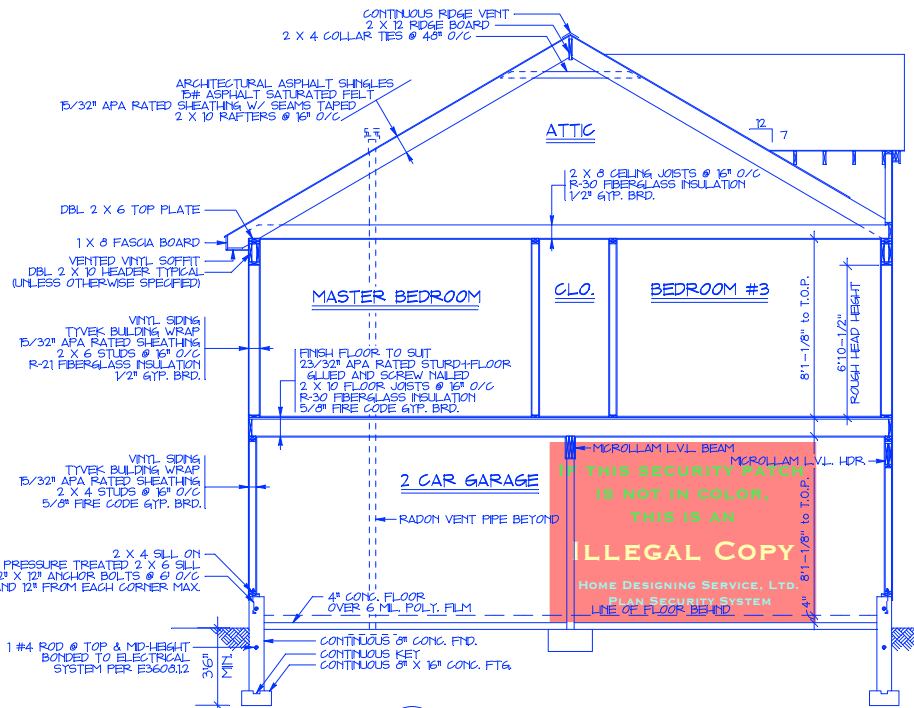
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WINDOW SCHEDULE

MODEL NO.	ROUGH OPENING	COMBINED SQ. FT. GLASS	NET CLEAR OPENING WIDTH	NET CLEAR OPENING HEIGHT	50 FT. CLEAR OPENING
CN235	3'-5 1/4" X 3'-5 3/8"	8.0	10 3/16"	35 15/16"	2.5
TW2432	2'-6 1/8" X 3'-4 7/8"	5.09	25 7/8"	16 1/4"	2.92
TW3032	3'-2 1/8" X 3'-4 7/8"	6.67	33 7/8"	16 1/4"	3.62
TW3046	3'-2 1/8" X 4'-8 7/8"	10.31	33 7/8"	24 1/4"	5.70
TW3046-2	6'-4" X 4'-8 7/8"	20.62	33 7/8"	24 1/4"	5.70
18-DHP4246-18	8'-0 1/8" X 4'-8 7/8"	25.84	17 7/8"	24 1/4"	3.02
FWG 60611	6'-0" X 6'-11"	24.86	28 1/8"	78 1/8"	15.28

NOTE: ALL WINDOWS ARE DESIGNATED WITH ANDERSEN 400 SERIES MODEL NUMBERS. SEE IMPORTANT NOTE ON FLOOR PLAN REGARDING WINDOW FALL PREVENTION DEVICES.

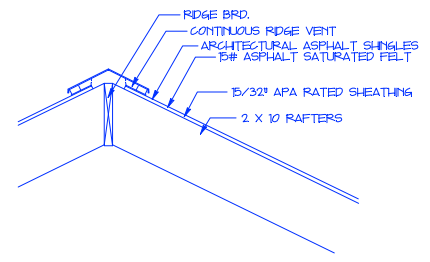
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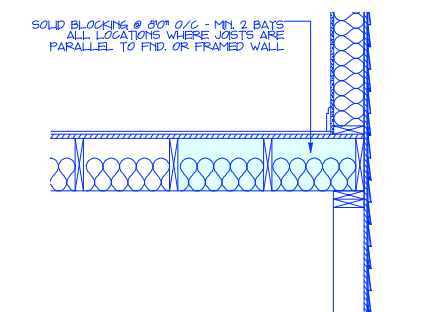
CROSS SECTION
SCALE: 1/4" = 1'-0"

FRAMING SPECIFICATION

- ALL FRAMING LUMBER SHALL BE DOUGLAS FIR OF THE FOLLOWING GRADES.
 2 X 4 STUDS- STANDARD & BETTER
 JSTS/BEAMS/2 X 6 STUDS-NO. 2 & BETTER
 #2 DF. BASE-VALUE FB 875
 E = 1600,000
- APPROVED NATURALLY DURABLE OR PRESSURE PRESERVATIVELY TREATED WOOD SHALL BE USED FOR THOSE PORTIONS OF WOOD MEMBERS THAT FORM THE STRUCTURAL SUPPORTS OF BUILDINGS, BALCONIES, PORCHES OR SIMILAR PERMANENT BUILDING AFFURTEHANGINGS WHEN SUCH MEMBERS ARE EXPOSED TO THE WEATHER WITHOUT ADEQUATE PROTECTION FROM A ROOF, EAVE, OVERHANG OR OTHER COVERING THAT WOULD PREVENT MOISTURE OR WATER ACCUMULATION ON THE SURFACE OR AT JOINTS BETWEEN MEMBERS. SUCH MEMBERS SHALL INCLUDE:
 A. HORIZONTAL MEMBERS SUCH AS GIRDERS, JOISTS AND DECKING.
 B. VERTICAL MEMBERS SUCH AS POSTS, POLES AND COLUMNS.
 C. BOTH HORIZONTAL AND VERTICAL MEMBERS.
- ALL NAILS SHALL BE HOT-DIPPED GALV. WHERE EXPOSED TO EXTERIOR.
- DOUBLE JOISTS UNDER ALL PARTITIONS.
- THERE SHALL BE NO NAILING INTO END GRAN. END CONNECTORS SHALL BE MADE W/ 16 GA. GALV. MTL. CONNECTORS, JOIST HANGERS, ETC.



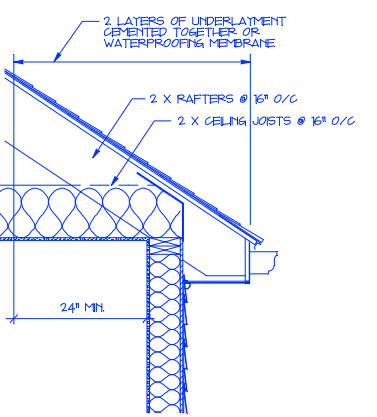
RIDGE VENT DETAIL
SCALE: 3/4" = 1'-0"



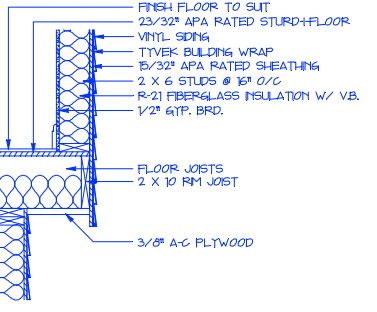
FRAMING DETAIL
SCALE: 3/4" = 1'-0" JOISTS PARALLEL TO WALL

DESIGN INFORMATION

- ALL FOOTINGS TO REST ON UNDISTURBED SOIL. REFER TO CHART FOR FOOTING SIZE AND SOIL BEARING CAPACITY.
 ALL FILL TO BE COMPACTED IN LAYERS OF NOT MORE THAN 4" COMPACT TO 98% OPTIMUM.
 ALL CONCRETE TO BE MIN. 3000 P.S.I. @ 28 DAYS. EXCEPT AS NOTED.
- ALL PARTS OF FOUNDATION WALLS BELOW GRADE BUT ABOVE THE LEVEL OF THE LOWER FLOOR SHALL BE DAMP-PROOFED ON THE OUTSIDE W/ AT LEAST ONE COAT OF ASPHALTIC DAMP-PROOFING PAINT OR A 1/2" THICK FARGING COAT OF PORTLAND CEMENT MORTAR.
- DESIGN LIVE LOADS:
- | | |
|-----------------------|--------|
| LIVING AREA LOAD | 40 PSF |
| SLEEPING AREA LOAD | 30 PSF |
| ROOF LOAD | 30 PSF |
| DECK LOAD | 40 PSF |
| EXTERIOR BALCONY LOAD | 60 PSF |



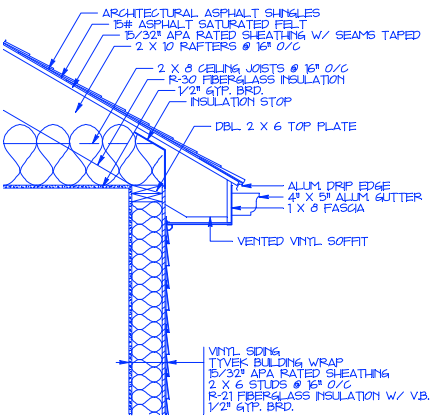
PROTECTIVE ICE BARRIER
SCALE: 3/4" = 1'-0"



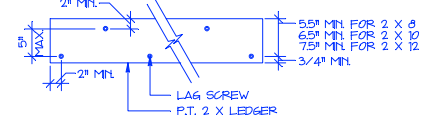
FOUNDATION / FRAMING DETAIL
SCALE: 3/4" = 1'-0" (@ CANTILEVER.)

ABBREVIATION KEY

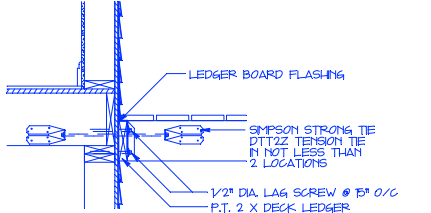
CONG.	CONCRETE
DWG	DRAWING
EXG	EXISTING
EXT.	EXTERIOR
GTP. BRD	GTPSUM BOARD
MFD	MANUFACTURED
MFR	MANUFACTURED
O/C	ON CENTER
P.T.	PRESSURE TREATED TO RESIST MOISTURE/DECAY
PTN	PARTITION
R	RESER
W/	WITH
T&B	TOP & BOTTOM
CONT.	CONTINUOUS
T.O.P.	TOP OF PLATE
A.F.F.	ABOVE FINISHED FLOOR
F.H.H.	FINISHED HEAD HEIGHT



ROOF EAVE DETAIL
SCALE: 3/4" = 1'-0"



LAG SCREWS IN LEDGER DETAIL
SCALE: 3/4" = 1'-0"



DECK/JOIST LATERAL CONNECTION
SCALE: 3/4" = 1'-0"

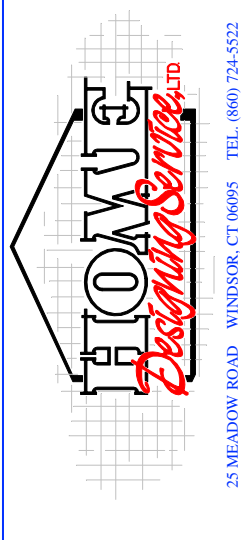
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REVISIONS	FOR	DESCRIPTION
8-22-18	CHANGES FOR BLD. OFFICIAL	
4-10-19	CODE UPDATE	
4-10-19	2131 S.F.	
10-23-20	2131 S.F.	



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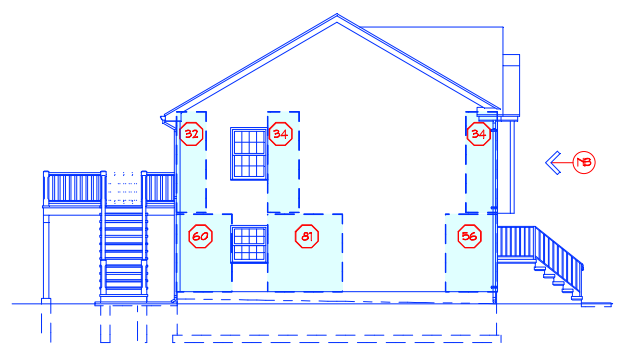
SCALE: 1/4" = 1'-0"
DATE: 10-27-2020
AREA: 2131 S.F.
DATE PRINTED:
DRAWN BY: H.M.D.
REVISED:
PLAN NUMBER: 10228-RR
DRAWING NUMBER: 6 of 9

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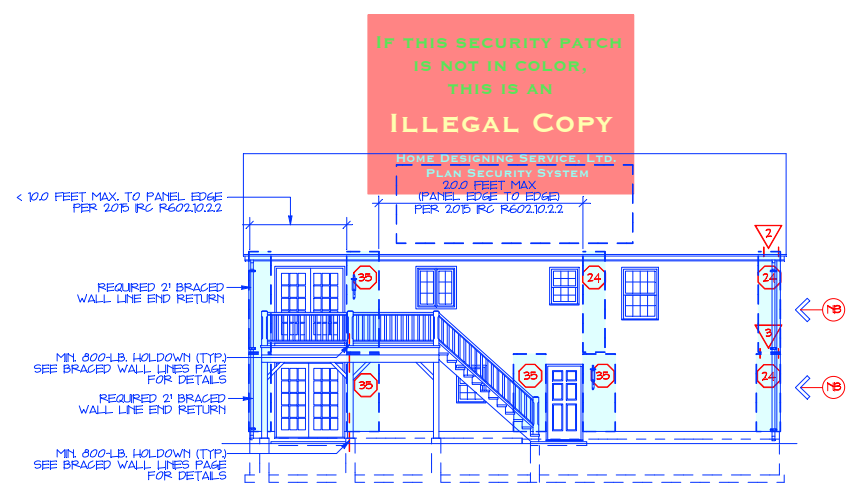
FRONT ELEVATION

SCALE: 1/8" = 1'-0"



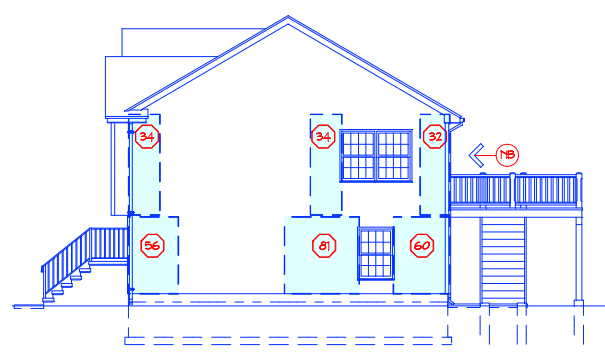
LEFT ELEVATION

SCALE: 1/8" = 1'-0"



REAR ELEVATION

SCALE: 1/8" = 1'-0"



RIGHT ELEVATION

SCALE: 1/8" = 1'-0"

BRACED WALL PANELS

SCALE: 1/8" = 1'-0"

WALL BRACING KEY	
(NB)	TOTAL AVAILABLE BRACING IS MORE THAN TWICE THE REQUIRED LENGTH. NO BLOCKING REQUIRED ON THIS LINE PER 2015 IRC R602.10.10
(27)	LENGTH OF REQUIRED BRACING IN INCHES MEASURED IN A HORIZONTAL DIRECTION ALONG BRACED WALL LINE.
(31)	TYPE OF UPLIFT RESISTANCE REQUIRED. SEE LIST BELOW FOR EXPLANATION OF EACH TYPE.
WALL BRACING UPLIFT RESISTANCE	
TYPE	DESCRIPTION
1	NO RAFTER BEARING ON THIS PANEL. SO NO UPLIFT RESISTANCE REQUIRED.
2	PROVIDE 1 SIMPSON STRONG TIE H2A RAFTER TO STUD CONNECTOR AT EACH RAFTER.
3	PROVIDE SIMPSON STRONG TIE SDWF FLOOR-TO-FLOOR SCREWS AT BASE OF PANEL AT 32" O/C MAX. MIN. 2 CONNECTORS PER PANEL.
4	PROVIDE 1 SIMPSON STRONG TIE COL STRAP TIE FROM STUD TO BAND JOIST. ONE AT EACH EDGE OF BRACED WALL PANEL. MIN. 5/8" NAILS INTO EACH FRAMING MEMBER.
5	PROVIDE 1 SIMPSON STRONG TIE LTP4 TIE PLATE FROM BAND JOIST TO SILL PLATE. ONE AT EACH EDGE OF BRACED WALL PANEL. MIN. 4-8D NAILS INTO EACH FRAMING MEMBER.
6	PROVIDE 1 SIMPSON STRONG TIE RSP4 STUD PLATE TIE FROM STUD TO SILL PLATE. ONE AT EACH EDGE OF BRACED WALL PANEL. MIN. 4-8D NAILS INTO EACH FRAMING MEMBER.

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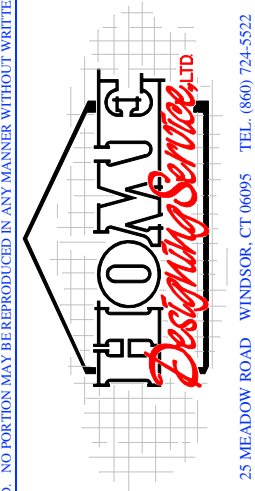
**Lot 65 Scotland Road
 Norwich, CT 06360**

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DATE	FOR	DESCRIPTION
8-22-18		CHANGES FOR BLD. OFFICIAL
4-10-19		CODE UPDATE
4-10-19	2131 S.F.	CHANGES TO 10123-RR
10-23-20	2131 S.F.	FLIP OF 10226-RR



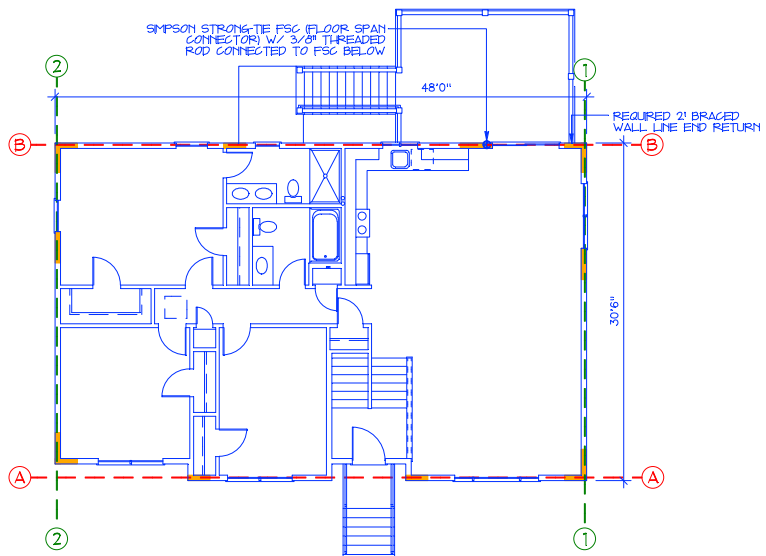
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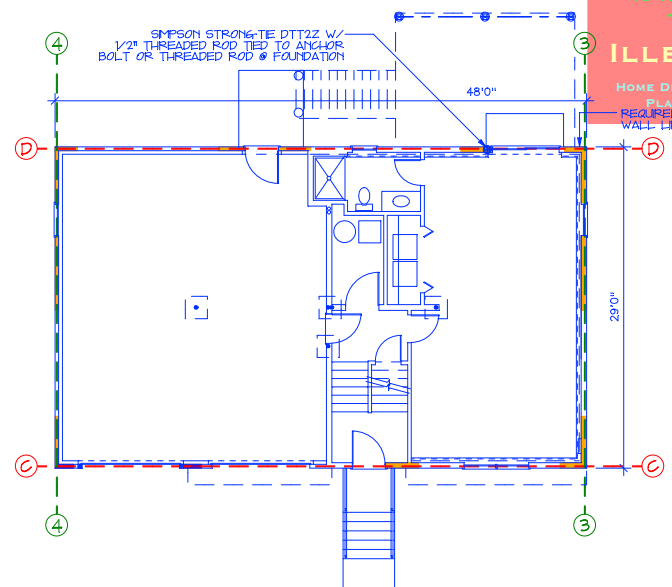
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UPPER LEVEL PLAN
 SCALE: 1/8" = 1'-0"



LOWER LEVEL PLAN
 SCALE: 1/8" = 1'-0"

IF THIS SECURITY PATCH IS NOT IN COLOR, THIS IS AN ILLEGAL COPY
 HOME DESIGNING SERVICE, LTD.
 PLAN SECURITY SYSTEM
 REQUIRED 2" BRACED WALL LINE END RETURN

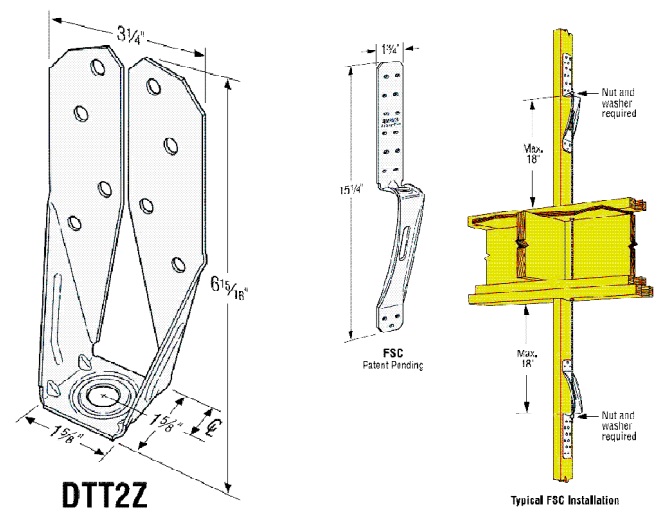
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REFER TO HOME DESIGNING SERVICE, LTD. BRACED WALL CALCULATION WORK-SHEET FOR MORE INFORMATION

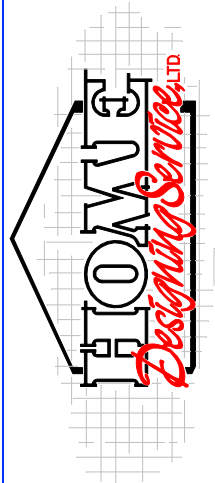
PLAN KEY

- - - FRONT TO BACK BRACED WALL LINE
- - - LEFT TO RIGHT BRACED WALL LINE
- BRACED WALL PANEL -WSP
- BRACED WALL PANEL -GB
- PORTAL FRAME CS-PF
- SIMPSON STRONG-TIE STRONG-WALL
- MIN. 800-LB. HOLD-DOWN DEVICE

BRACED WALL LINES
 SCALE: 1/8" = 1'-0" W/ BRACED WALL PANEL LOCATIONS



SIMPSON STRONG-TIE CONNECTOR
 NOT TO SCALE



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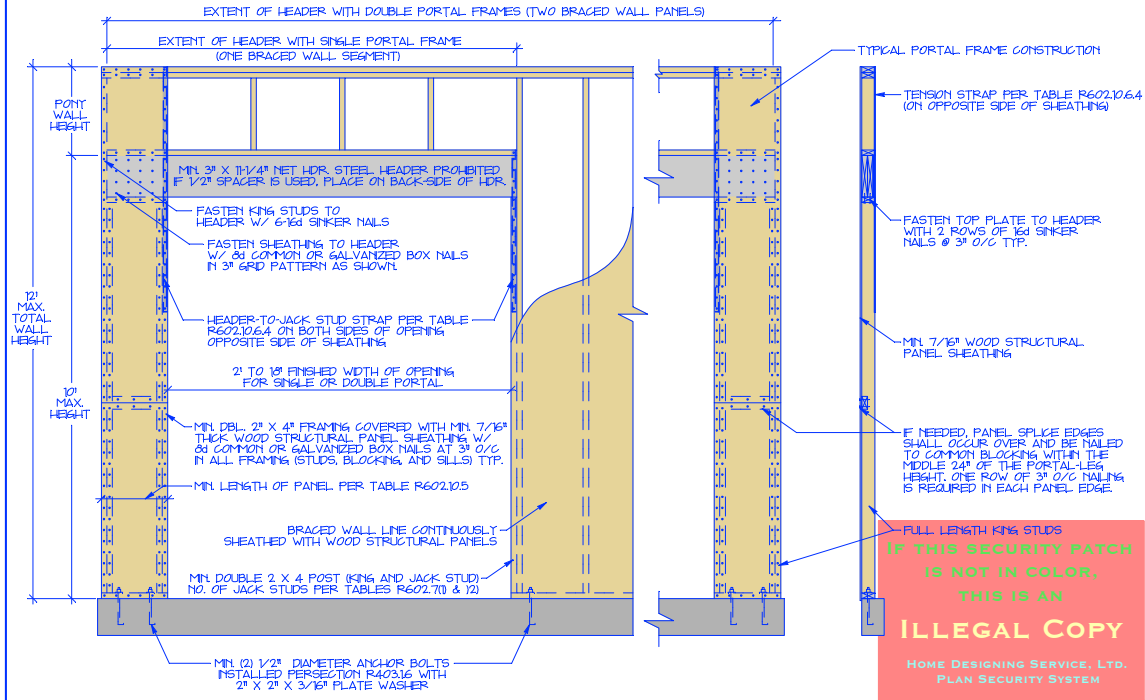
DATE	FOR	DESCRIPTION
8-22-18		CHANGES FOR BLD OFFICIAL
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4-10-19		2131 S.F. CHANGES TO 10123-RR
10-23-20		2131 S.F. FLIP OF 10226-RR

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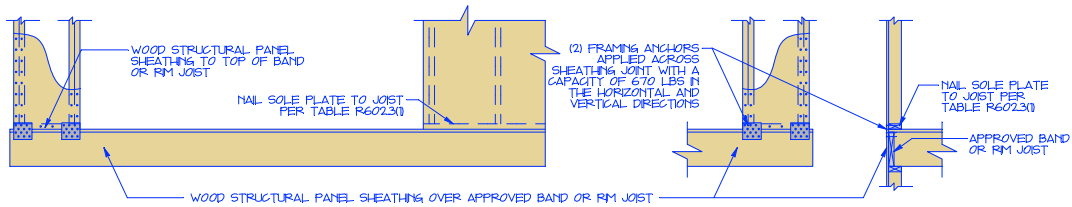
FIGURE R602.10.6.4

METHOD CS-PF-CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION



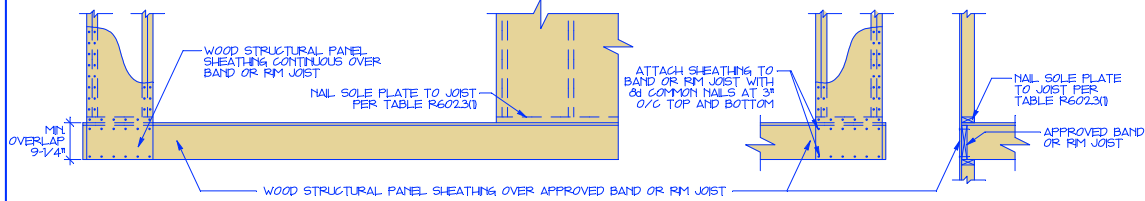
OVER CONCRETE OR MASONRY BLOCK FOUNDATION

NOT TO SCALE



OVER RAISED WOOD FLOORS-FRAMING ANCHOR OPTION

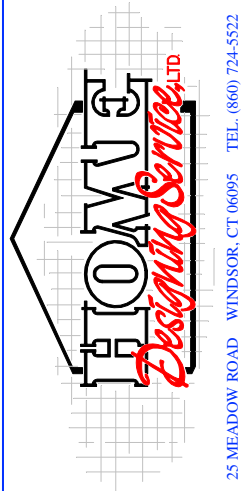
NOT TO SCALE (WHERE PORTAL SHEATHING DOES NOT LAP OVER BAND OR RM JOIST)



OVER RAISED WOOD FLOORS-WOOD STRUCTURAL PANEL OVERLAP OPTION

NOT TO SCALE (WHERE PORTAL SHEATHING LAPS OVER BAND OR RM BOARD)

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NAME	
COPY/REV. #	
PROJECT ADDRESS	
SCALE	1/4" = 1'-0"
DATE	10-27-2020
AREA	2131 S.F.
DRAWN BY	H.M.D.
REVISIONS	
PLAN NUMBER	10228-RR
DRAWING NUMBER	9 of 9

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